
Subject: Re: Strange behaviour ? of Subscript range values of the form low:high
Posted by [David Fanning](#) on Thu, 16 Jun 2011 10:27:36 GMT
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LNpellen writes:

- > What is going on here? Writing the values works, but the variables
- > with the same values don't....
- >
- > Please give me the obvious explanation that I cannot see.

The two obvious explanations I can think of are:

1. The variables don't contain the values you think they do, or...
2. The variables aren't scalars. (Use HELP to find out.)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: Strange behaviour ? of Subscript range values of the form low:high
Posted by [R.G.Stockwell](#) on Thu, 16 Jun 2011 15:53:06 GMT
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% Subscript range values of the form low:high must be ≥ 0 , $<$ size,
with low \leq high: DOSETEMPFULL.

What is going on here? Writing the values works, but the variables
with the same values don't....

wild guess, did you get your dosetemp transposed?

or perhaps your index variables switched?

cheers,

bob

Subject: Re: Strange behaviour ? of Subscript range values of the form low:high
Posted by [LNpellen](#) on Fri, 17 Jun 2011 07:53:51 GMT

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Well - I checked the variables were scalars with the expected values.

Hard coding the same values worked...

The code worked for other datasets.

Today is another day - and suddenly the same code works also for the dataset with the problem.

I have no idea why but I'm crossing fingers it will keep working.

Ellen

Subject: Re: Strange behaviour ? of Subscript range values of the form low:high
Posted by [David Fanning](#) on Fri, 17 Jun 2011 09:52:35 GMT

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LNpellen writes:

- > Well - I checked the variables were scalars with the expected values.
- > Hard coding the same values worked...
- > The code worked for other datasets.
- >
- > Today is another day - and suddenly the same code works also for the
- > dataset with the problem.
- > I have no idea why but I'm crossing fingers it will keep working.

Let me guess, IDL 8.1. I've been seeing strange things like this all week long in a class I've been teaching! Totally inexplicable behavior on my machine and others. Yesterday, all of a sudden, it appeared as if IDL couldn't remember my IDL path! I couldn't get anything to compile automatically. I exited IDL, restarted, and all was well. Very strange...

Cheers,

David

P.S. And WShow continues to work intermittently, and in no consistent way that I can understand.

--

David Fanning, Ph.D.
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Subject: Re: Strange behaviour ? of Subscript range values of the form low:high
Posted by [David Fanning](#) on Fri, 17 Jun 2011 11:17:36 GMT
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David Fanning writes:

> P.S. And WShow continues to work intermittently, and
> in no consistent way that I can understand.

This appears to be related, now that I think about it,
to another behavior I just noticed again a moment ago.
Graphics windows sometimes appear in front of the
Workbench when they are created, but nearly as
often appear (well, "appear" is the wrong word!)
behind the Workbench!

There doesn't appear to be any predicable pattern to
this. Sometimes the very same program will appear in
front of the Workbench this time and behind the next
time the program is run, and visa versa. Something
seems to be screwed up in the way these windows are
ordered on the display.

This certainly makes working on a laptop challenging. :-)

Cheers,

David

--

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
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Subject: Re: Strange behaviour ? of Subscript range values of the form low:high

Posted by [LNpellen](#) on Fri, 17 Jun 2011 11:58:29 GMT

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Well, actually I'm still working with 7.1 as I haven't had the time to upgrade.

Your frustrations tell me that I should not rush to upgrade.

Ellen

Subject: Re: Strange behaviour ? of Subscript range values of the form low:high

Posted by [LNpellen](#) on Tue, 21 Jun 2011 07:33:01 GMT

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The story goes on - and the problem occurs again and this time even stranger (to me).

I stop my code just before the error occurs and do some printouts:

```
IDL> help, doseTemp
DOSETEMP      FLOAT    = Array[502, 494]
IDL> help, doseTempFull
DOSETEMPFULL  FLOAT    = Array[512, 512]
IDL> print, x1,x2,y1,y2
           5      506      3      496
IDL> doseTempFull[5:506,3:496]=doseTemp
IDL> doseTempFull[x1:x2,y1:y2]=doseTemp
```

Everything works fine to this point. The latter line above is the next line in the code and it appears to run with no errors so lets continue the code:

```
IDL> .cont
% XMANAGER: Caught unexpected error from client application. Message follows...
% Subscript range values of the form low:high must be >= 0, < size, with low <= high: DOSETEMPFULL.
% Execution halted at: GENERATEDOSEDISPLAY 106 P:\RTPlanViewer\RTPlanViewer\generateDoseDisplay.pro
%                               RTPLANVIEWER_EVENT 291 P:\RTPlanViewer\RTPlanViewer\RTPlanViewer_event.pro
%                               XMANAGER_EVLOOP_STANDARD 478 C:\Programfiler\ITT\IDL71\lib\xmanager.pro
%                               XMANAGER 708 C:\Programfiler\ITT\IDL71\lib\xmanager.pro
%                               RTPLANVIEWER 109 P:\RTPlanViewer\RTPlanViewer\RTPlanviewer.pro
```

% \$MAIN\$

So the "doseTempFull[x1:x2,y1:y2]=doseTemp" works in command line, but not in the code..... I understand nothing.

Ellen
